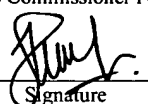




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The Commissioner for Patents  
United States Patent and Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

**ATTN: Mail Stop Patent Application**

Re: U.S. Utility Patent Application  
Appl. No. 10/776,475; Filed 2/10/2004  
For: **Optical Waveguide Grating Coupler**  
Inventor(s): **Gunn III, et al.**  
Docket No.: **LUX-P019**

Sir:

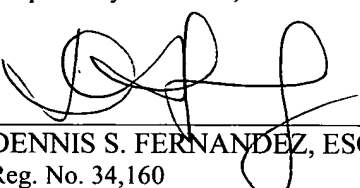
The following documents are forwarded herewith for action by the U.S. Patent and Trademark Office:

1. Information Disclosure Statement;
2. Form PTO/SB/08A
3. Form PTO/SB/08B with 9 reference(s); and
4. A return post card.

It is respectfully requested that the attached postcard be stamped with the receipt date of the above documents and returned to the addressee as soon as possible.

2/24/04  
Date

Respectfully submitted,

  
DENNIS S. FERNANDEZ, ESQ  
Reg. No. 34,160

**CUSTOMER NO: 22877**  
**FERNANDEZ & ASSOCIATES, LLP**  
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MENLO PARK, CA 94026-6204  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): **Gunn III, et al.**

Docket No.: **LUX-P019**

Serial No.: **10/776,475**

Group Art Unit: (Not yet assigned)

Filed: **2/10/2004**

Examiner: (Not yet assigned)

Title: **Optical Waveguide Grating Coupler**

**INFORMATION DISCLOSURE STATEMENT**

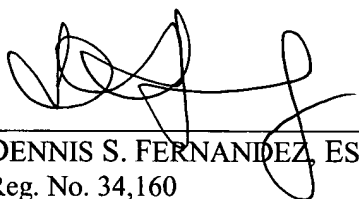
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicants wish to bring the enclosed printed publications and U.S. patent references to the attention of the Examiner.

Applicant respectfully submits that Applicants' claimed invention is patentable over such references. Forms PTO/SB/08A and PTO/SB/08B listing these references are attached. It is understood the Office may find additionally relevant material in these or other references

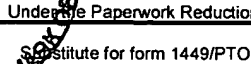
Respectfully submitted,

  
DENNIS S. FERNANDEZ, ESQ.  
Reg. No. 34,160

2/24/04

Date

CUSTOMER NO: 22877  
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PTO/SB/08A (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/776,475
Filing Date	2/10/2004
First Named Inventor	Gunn III, et al
Art Unit	Not Yet Assigned
Examiner Name	"
Attorney Docket Number	Lux - 2019

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

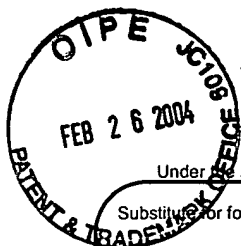
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/776,475		
Filing Date	2/10/2004		
First Named Inventor	Gunn M, et al		
Art Unit	Not Yet Assigned		
Examiner Name	"		
Attorney Docket Number	LUX - P019		
Sheet	2	of	2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	"LOW LOSS NANOPHOTONIC WAVEGUIDES AND RING RESONATORS IN SILICON-ON-INSULATOR"; BEATS, ET AL	
	2	"LARGE-SCALE PRODUCTION TECHNIQUES FOR PHOTONIC NANOSTRUCTURES"; BOGAERTS, ET AL	
	3	"CMOS-COMPATIBLE PLANAR SILICON WAVEGUIDE-GRATING-COUPLER PHOTODETECTORS FABRICATED ON SILICON-ON-INSULATOR (SOI) SUBSTRATES"; S.M. CSUTAK, S. DAKSHINA-MURTHY &	
		JOE C. CAMPBELL; IEEE JOURNAL OF QUANTUM ELECTRONICS, VOL.38 NO. 5 MAY 2002	
	4	"BURIED-OXIDE SILICON-ON-INSULATOR STRUCTURES II: WAVEGUIDE GRATING COUPLERS"; EMMONS, ET AL; IEEE JOURNAL OF QUANTUM ELECTRONICS, VOL.28 NO. 1 JANUARY 1992.	
	5	"INTEGRATED OPTICS FOR OPTICAL HEAD APPLICATIONS"; OCHIAI ET AL; ELECTRONICS LETTERS 18TH AUGUST 1994 VOL. 30 NO. 17, PAGE 1403-1404	
	6	"EFFECTS OF GRATING HEIGHTS ON HIGHLY EFFICIENT UNIBOND SOI WAVEGUIDE GRATING COUPLERS"; ANG, ET AL; IEEE PHOTONICS TECHNOLOGY LETTERS VOL.12 NO. 1 JAN 2000	
	7	"MODE MATCHING TECHNIQUE FOR HIGHLY EFFICIENT COUPLING BETWEEN DIELECTRIC WAVEGUIDES AND PLANAR PHOTONIC CRYSTAL CIRCUITS"; SANCHIS, ET AL	
	8	"BURIED-OXIDE SILICON-ON-INSULATOR STRUCTURES II: WAVEGUIDE GRATING COUPLERS"; EMMONS, ET AL; IEEE JOURNAL OF QUANTUM ELECTRONICS, VOL 28 NO.1 JANUARY 1992	
	9	"NON UNIFORM GRATING COUPLERS FOR COUPLING OF GAUSSIAN BEAMS TO COMPACT WAVEGUIDES"; WEST, ET AL; PUBLISHED IN THE INTEGRATED PHOTONICS RESEARCH TECHNICAL DIGEST 1994	

Examiner Signature		Date Considered	
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